Stage voor de opleiding Master Informatica

Titel: Internship Data Science

Gegevens bedrijf:
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Adres waar de student zal werken:Brusselsesteenweg 6, 9050 Gent, België

Kort (min 90 uur) of lang (180 uur): beide zijn mogelijk

Korte beschrijving van de opdracht:

We are currently providing internships focused on two different challenges:

1. Transport mode algorithm improvements

Our current transport algorithm detects when an individual is 'in vehicle', travelling 'by bike' or 'on foot'. To do so, we evaluate millions of coordinates on a daily basis. Coming from a pure feature engineering model, the current challenge is to improve the algorithm. You can put your knowledge about hidden markov chains or neural networks to the test. On top of that, we have access to the realtime coordinates of De Lijn (bus transport) to help improve detection of bus trips'. By mapping coordinates on railway roads, defining the 'in train' transport mode can be defined.

2. Proactive recommendations

Today, multiple metrics about customer loyalty, competitors visited by a brand's customers or popular hours (to name but a few) are calculated on a continuous basis. Too much information to see the forest for the trees... Your efforts will provide a prescriptive model that provides proactive recommendations on which metrics to evaluate in more detail. Using trend & anomaly detection models you create, you will evaluate & prioritize the metrics that needs our customers' attention.

Technologieën die aan bod zullen komen:

- Python

- Databases: MySQL, BigQuery and Clickhouse

- Git and Linux

- (Google) Cloud technology

- geo-spatial data processing

- Google Dataflow

- experience with data collection and processing is a plus